

CLAIMS

We Claim:

1. A wireless router, comprising:
an amplifier;
5 a processor coupled to the amplifier;
a power connection coupled to the amplifier; and
a transceiver bank coupled to both the amplifier and the processor.
2. The wireless router of Claim 1 further comprising wireless communication
software stored in a memory, the memory being coupled to the processor.
- 10 3. The router of Claim 1 further comprising a memory coupled to the
processor.
4. The router of Claim 1 further comprising an input/output port coupled to
the processor.
- 15 5. The router of Claim 1 further comprising an internal antenna coupled to
the transceiver bank.

6. The router of Claim 1 wherein the processor stores an algorithm that enables a Bluetooth protocol.

7. The router of Claim 1 wherein the processor stores an algorithm that enables a Home RF protocol.

5 8. The router of Claim 1 wherein the processor stores an algorithm that enables an IEEE 802.11 protocol.

9. The router of Claim 1 wherein the transceiver bank is enabled to support a plurality of wireless protocols.

10 10. The router of Claim 1 wherein the processor stores algorithms that enable a plurality of wireless protocols.

11. The router of Claim 1 wherein the transceiver bank supports a plurality of wireless protocols.

12. The router of Claim 1 wherein the transceiver bank comprises at least one transceiver.

13. The router of Claim 1 wherein the transceiver bank maintains software capable of implementing a wireless protocol.

14. A method of routing wireless information, comprising:
receiving a packet having a signal strength;
amplifying the signal strength to a second signal strength; and
transmitting the packet at the second signal strength.

- 5 15. The method of Claim 16 wherein the packet is routed via a Bluetooth protocol.

16. The method of Claim 16 wherein the packet is routed via a Home RF protocol.

- 10 17. The method of Claim 16 wherein the packet is routed via an IEEE 802.11 protocol.

18. The method of Claim 16 wherein the packet is routed via a plurality of wireless protocols.

19. The method of Claim 16 wherein the packet is received via a first protocol and the packet is transmitted via a second protocol.